

TITLE: DENTAL TRAY CONTAINING OPAQUE MATERIALS INVENTOR(S): ABOLFATHI, et al. ATTY. REF. NO.: AT-000219//US FILED: November 19, 2003

REPLACEMENT SHEET

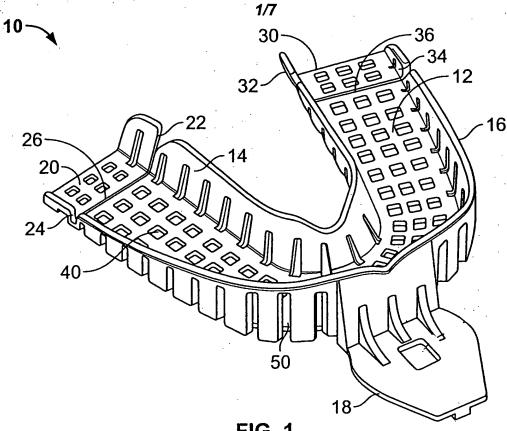
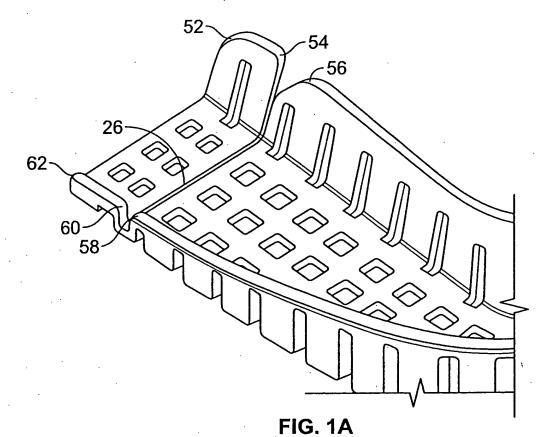


FIG. 1



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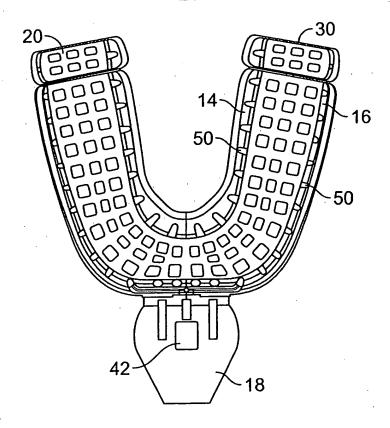


FIG. 2

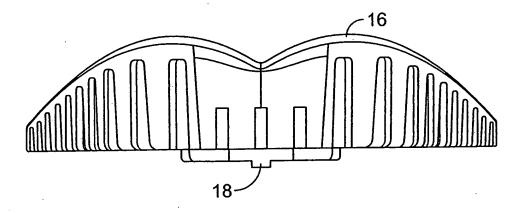


FIG. 3

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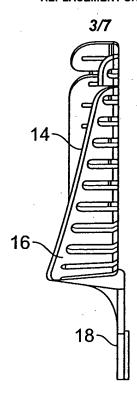


FIG. 4

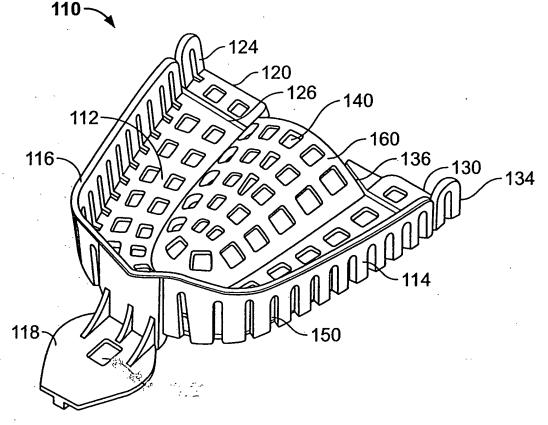


FIG. 5

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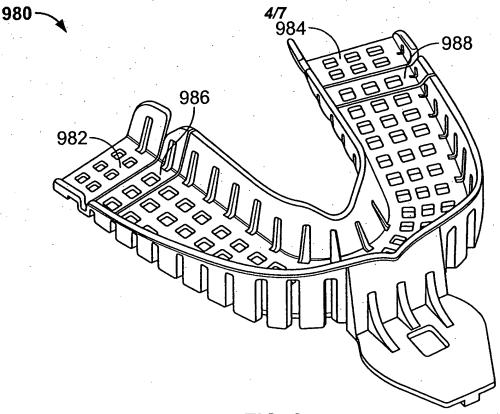
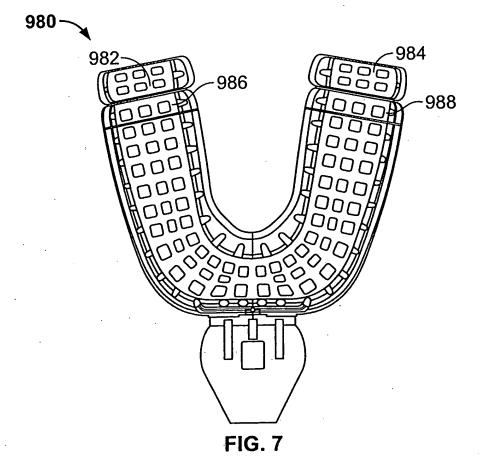


FIG. 6



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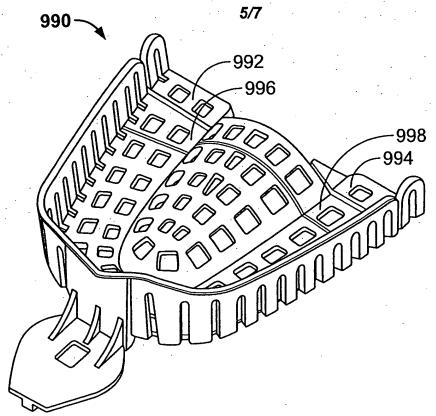


FIG. 8

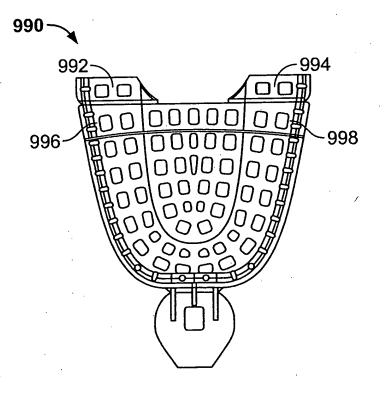
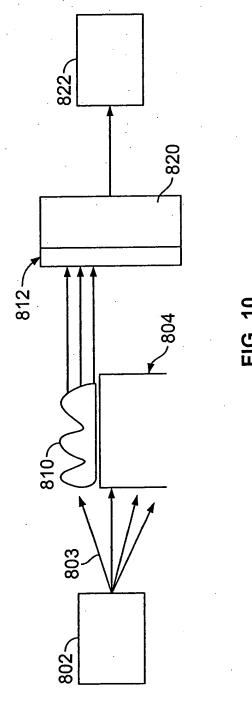


FIG. 9

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000	,
902	
Impression of a Patient is Taken in a Radiopaque Tray.	
904	
Capturing the Bite is PVS Notes and Detailed Tooth Geometry, Wa	Taken. A Suitable Material for Material in Order to Capture ax Bites may Also be Used but Based on Definition of the Bite.
906	
The Upper and Lower Jaws and the Bite will be Scanned Together in the CT Machine.	
908	
Once Scanned, the Upper and Lower Jaw Impression Scanned Data is Digitally Reversed to Make a Positive Model. This is Done by Identifying the Inner Most Surface of the Impression Material and Extracting it from the Rest of the Data Using a Largest Connected Component Algorithm.	
910	
Once the Upper and Lower I Aligned into a Bite Position Us	Data is Obtained, they will be sing the Bite Material Scanned.
912	
Defects in the Material w	ailed. Any Excess Material or ill have to be Cleaned up wn as Detailing).
914	
Set. Models are Articulated b	ed, the Final Bite Needs to be by an Operator till the Relative es that of the Actual Mouth.
916	
The Model is Now Ready for Already Cut as Part of the Already Cut as Part o	or Treatment. The Teeth are the Detailing Operation.